

# Pure Forms LLC MPE ASSESSMENT REPORT

## **Report Type:**

FCC Part §2.1091 and §1.1307(b) assessment report

#### Model:

DL2197

## **REPORT NUMBER:**

230900893SHA-004

### **ISSUE DATE:**

July 2, 2024

### **DOCUMENT CONTROL NUMBER:**

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Report no.: 230900893SHA-004

**Applicant:** Pure Forms LLC

4744 Center Park, San Antonio, Texas, 78218 USA

Manufacturer: Zhongshan Luxgend Electronics Co.,Ltd

7th, Jiahua Rd., Qianlong, Sanxiang Town, Zhongshan City,

Guangdong Province, China 528463

Manufacturer Site: Zhongshan Luxgend Electronics Co.,Ltd

7th, Jiahua Rd., Qianlong, Sanxiang Town, Zhongshan City,

Guangdong Province, China 528463

Product Name: Desklamp

Type/Model: DL2197

**FCC ID:** 2BGAI-8930-8935

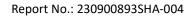
#### **SUMMARY:**

The equipment complies with the requirements according to the following standard(s) or Specification:

KDB447498 D01 General RF Exposure Guidance v06 FCC Part2.1091, FCC Part1.1307(b)

PREPARED BY:	KEVIEWED BY:	
Tylan tang	Wakeyou	
Project Engineer	Reviewer	
Dylan Tang	Wakeyou Wang	

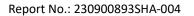
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# **Revision History**

Report No.	Version	Description	Issued Date
230900893SHA-004	Rev. 01	Initial issue of report	July 2, 2024





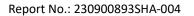
## **1 GENERAL INFORMATION**

# 1.1 Description of Equipment Under Test (EUT)

Product name:	Desklamp				
Type/Model:	DL2197				
Description of EUT:	The EUT is a Desklamp, it has only one model.				
	DC24V INPUT, 150W Max				
	Adapter:				
	Manufacturer: SHENZHEN PENGSHENGYE ELECTRONIC CO.,LTD				
	Model: PSY2407500MM Input: 100-240Vac, 50/60Hz, Max 3A				
Rating:	Output: 24.0V === 7.5A 180.0W				
	'				
Category of EUT:	Class B				
EUT type:	☐ Table top ☐ Floor standing				
Software Version:	8930-SW-V0				
Hardware Version:	8930-HW-V0				
Sample received date:	October 15, 2023				
Date of test:	October 15, 2023 ~ April 8, 2024				

# 1.2 Technical Specification

Frequency Range:	24000MHz ~ 24250MHz
Type of Modulation:	FSK
Channel Number:	1
Antenna Information:	Integrated antenna

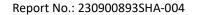




# 1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized,	CNAS Accreditation Lab Registration No. CNAS L0139
certified, or accredited by these organizations:	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02





## 2 MPE Assessment

Test result: Pass

## 2.1 MPE Assessment Limit

## Mobile device exposure for standalone operations:

According to §1.1310, the limit for general population/uncontrolled exposures

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f2)	30
30-300	27.5	0.073	0.2	30
300-1500	1	1	f/1500	30
1500-100,000	1	1	1.0	30

Mobile device exposure for simultaneous transmission operations: the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is  $\leq$  1.0



### **TEST REPORT**

### 2.2 Assessment Results

Power density (S) is calculated according to the formula:

 $S = PG / (4\pi R^2)$ 

Where  $S = power density in mW/cm^2$ 

P = Radiated transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test report 230900893SHA-003:

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

Frequency band	Fundamental Radiated Emission	Maximum EIRP	R	S	Limits
(MHz)	(dBuV/m)	dBm	(cm)	(mW/cm2)	(mW/cm2)
24000 ~ 24250	96.68	1.45	20	0.0003	1

Note: 1 mW/cm2 from 1.310 Table 1.





## **Appendix I**

Definition below	must be out	lined in the	User Manual	l:
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To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.